

STATE of CALIFORNIA

Wireless E9-1-1 Project Status (April 2004)

The following summary information is extracted from the monthly Wireless E9-1-1 (W E9-1-1) Project meeting minutes. The State hosts an open meeting on the second Friday of each month at the Telecommunications Division in Sacramento for the Wireless Service Providers (WSPs), Incumbent Local Exchange Carriers (ILECs), Public Safety Answer Points (PSAPs), California Highway Patrol (CHP), Database Providers, and other stakeholders to encourage active participation with the project goals. Contact John Marengo (9-1-1 Office) at 916-657-9236 or john.marengo@dgs.ca.gov for further information.

W E9-1-1 Project General Business

- **W E9-1-1 Project has 3rd Anniversary.** The project team established monthly meetings in April 2001. It is hard to believe the churn of people and the focus the project has maintained to endure its successes. Major issues resolved include: a new wireless 9-1-1 call routing law (PUC 2892c), ILEC/WSP network design with “tandem-to-tandem” connectivity, WSP reimbursement policy, submission and subsequent approval of ILEC wireless tariffs, a standard wireless ALI display “Wireless-ALI Format 04,” and PSAP participation.
- **W E9-1-1 Project Web Site.** The latest update for April 2004 shows the statewide cell sector cuts exceeded 5,000 sectors. Torrance PD and Glendale PD in the LA Region were the first to cut over service to all five WSPs there, with all except Nextel delivering Phase II service. Check the implementation progress at www.td.dgs.ca.gov/Services/911/we911.
- **235 Local Primary PSAPs to Answer W E9-1-1 Directly.** As of 4/30/04 there are now approximately 235 local PSAPs that are planning to answer W E9-1-1 calls directly, in addition to the 24 CHP centers that already answer wireless 9-1-1.



Wireless ALI (W-ALI) Issues

- **Statewide Wireless ALI Standard.** The statewide standardized California W-ALI Format 04 is available on-line at http://www.documents.dgs.ca.gov/td/911/Format04_w_positions.pdf. PSAPs are encouraged to download this information and use it in discussions with CPE, CAD, and GIS providers. SBC PSAPs may test it for free and then submit their TD288 to make it permanent. Verizon territory PSAPs may request a change for free.
- **Class of Service.** When PSAPs are working on upgrades, remember that Phase I information is shown as ‘W911’ for the class of service with the Lat/Long of the cell tower and the directional; whereas, Phase II information is shown as ‘WPH2’ with the Lat/Long information of the caller along with the uncertainty (in meters) and confidence (in percent).
- **WSP W-ALI Variations.** The 9-1-1 Office has been persistent with all WSPs to provide consistency in their Phase I and Phase II information, since there are not FCC guidelines. There are a few variations: Sprint’s Phase I information provides the Lat/Long of the centroid of the cell sector coverage, instead of the tower like the others. Sprint and Cingular display zeros in the confidence field for both Phase I and II, which is misleading. Lastly, Nextel’s NCAS solution does not currently deliver Phase I information, once a PSAP is cut to Phase II, but is planning a fix in early 2005.

Regional Implementations – See map and cut sheets at www.td.dgs.ca.gov/Services/911/we911 under “Implementation Status.”

- **Los Angeles Region** - The region has over 5,000 cell sectors with Phase II service. There are now 18 local primary PSAPs plus LA CHP receiving Phase II service from at least one WSP. AWS is Phase II-ready with their GSM solution, which will add over 3,000 new sectors to test. LAPD is now on board with the project; however, will not take W E911 calls directly until Jan. 2005. LAPD will be taking the largest number of wireless calls for a local primary PSAP in California, estimated to be 30,000 calls per month from about 1,000 sectors. There will be rework for WSPs to reroute calls to LAPD that are already cut over to LA CHP.
- **San Francisco Bay Area Region** - There are 14 local primary PSAPs receiving Phase II information from at least one WSP and implementations continue weekly. WSPs that are connected to the Vallejo S/R will be the first to test with the CHP Golden Gate Communications Center. Most likely Metro PCS and Verizon Wireless will be the first to cut over service to CHP GGCC.
- **San Diego Region** - Wireless E9-1-1 cutovers will start soon. Call Routing has been completed. Verizon Wireless is the most ready WSP and is likely to be the first to cut, as their network trunks were placed into service on 4/12/2004.
- **Sacramento Region** - Cell sector routing meetings took place in Stockton (4/13-15/2004), Truckee (4/20/2004), and Sacramento (4/26-30/2004). All WSPs, except Nextel, provided sector coverage maps for the routing meetings. The 9-1-1 Office submitted tandem-to-tandem network orders to SBC and is ready to process TD280Ws for the WSPs and assign pANIs.
- **Southland Region** - The 9-1-1 Office mailed the Phase I/II letter request packages, in March 2004, to 64 Southland Region local primary PSAPs. PSAPs need to expedite these signatures and then send to the CHP. WSPs should begin receiving these letters and then the State will coordinate routing meetings. This region is expected to start in the 3rd Q of 2004.
- **Central Region** - This region is expected to start in the 4th quarter of 2004. With a strong personal contact effort by the State there are now 68 of 74 PSAPs participating, up from the 22 we had in March 2002. The State will develop the Phase I/II request packages for the WSPs and route for the official signatures required from the local PSAP, CHP, and DGS-TD.
- **Northern Region** – This region is expected to start in 2005 and will complete the statewide W E9-1-1 implementation. Solicitation will begin soon with responses due in October 2004 in order to submit requests to WSPs by December 2004.